PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

				Complete i	if Known
Substitute for form	1449-PTO		Application Number	09/900393	
O'' (%)	INFORMATION	DISCLOSU	Filing Date	07/05/01	
W 07 TOTA SE	STATEMENT B (Use as many shee	I APPLICA	First Named Inventor	Nandakumar Sampath	
	/			Art Unit	2662
PROTA TRADEMA	<i>i</i>			Examiner Name	Melvin Marcelo
Sheet	4	of	1	Attorney Docket Number	MIPS.0175-00-US

to

Initials*	Cite	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines,
Hilliais	No.¹	Number-Kind Code ² (if known)	MM-DD-YYYY	of Cited Document	where Relevant Passages or Relevant Figures Appear
MM		09/602,279	NA	Nemirovsky et al.	
mm		5559970	09-24-1996	Vinod Sharma	
mm		6151644	11-21-2000	Chun-Chu Archie Wu	
MIM		6226680	05-01-2001	Boucher et al.	
MM		6453360	09-17-2002	Muller et al.	
M/W		6614796	09-02-2003	Black et al.	
M M		20010043610	11-22-2001	Nemirovsky et al.	
mm		20010052053	12-13-2001	Nemirovsky et al.	
mm		20020016883	02-07-2002	Musoll et al.	
MM		20020054603	05-09-2002	Musoll et al.	\
mm		20040015598	01-22-2004	Jin-Fun, Lin	
MM		20040172504	09-02-2004	Balazich et al.	
mm		20040213251	10-28-2004	Tran et al.	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ³
mm	AA	SAMPATH ET AL., "Mechanism to Un-speculatively Pre-fetch Instructions from the Thread Associated to a Packet," April 2, 2001, Disclosure Document #491527, USPTO	
mm	АВ	MUSOLL ET AL. Mechanism to Prevent the Download of a Packet with Pending Writes Affecting Its Data. April 11, 2001. Disclosure Document #492430, USTPO	
mm	AC	UNGERER ET AL. A Survey of Processors with Explicit Multithreading. ACM Computing Surveys, Vol., 35, No. 1. March 2003. Pages 29-63.	

Examiner	44		Date	
Signature	M_{-1}/L_{L}	Marcalo		10-28-2005
Cidilatore	1 171717	VIIAVET	Considered	1 7 7 7 7

^{&#}x27;Examiner: Initial if inference considered, whether or not distion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant, 'Applicant's unique citation designation number (optional).' See Kinds Codes of USPTO Patent Documents at https://www.usain.org/ or MPEP 801.04. 'Enter Office that issued the document, by the two-latter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the reign of the Emperor must proceed the serial number of the patent document. 'Vind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible.' 'Applicant is to place a check mark here if English language Transition is amazined. This collection is required by 27 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete the cludding gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form analyze suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

m 1449A/PTO

Substitute (

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary

Sheet 1 of 1

Complete if Known				
Application Number	09/900393			
Filing Date	7/5/2001			
First Named Inventor	NANDAKUMAR SAMPATH			
Group Art Unit	2662			
Examiner Name	MELVIN MARCELO			
Attorney Docket Number	MIPS.0175-00-US			

			U.S.	PATEN'	T DOCU	MENTS			
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2(If known)}	Publicat MM-DE	ion Date D-YYYY		ame of Patentee or ant of Cited Document		Pages, Columns, Lines, Where vant Passages or Relevant Figu Appear	
MM.		6131163	10-10	-2000		Scott L. Wiegel	\langle		
mm		6016308	1-18-	2000		Crayford et al.			
mm		6502213	12-31	-2002	Mich	el K. Bowman-Amuah			
Mm		5408464	04-18	-1995		Mark Jurkevich		\	
						· · · · · · · · · · · · · · · · · · ·	-		
	<u> </u>								
<u> </u>									
	 							\	
_			<u> </u>		<u> </u>		L		$\overline{}$
			FOREIG	N PATI	ENT DO	CUMENTS			
Examiner Initials*	Cite No.1	Foreign Patent Docume Country Code ³ - Number ⁴ - Kind Co			tion Date D-YYYY	Name of Patentee of Applicant of Cited Docur		Pages, Columns, Lines, Where Relevant Passages	T ⁶
		,						or Relevant Figures Appear	<u> </u>
			<u></u>						

Examiner Signature	Melvin	Marcolo	Date Considered	10-28-2005	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

TRADENP

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	Complete if Known			
	. Application Number	09/900,393		
INFORMATION DISCLOSURE	Filing Date	07/05/2001		
STATEMENT BY APPLICANT	First Named Inventor	Nandakumar Sampath		
•	Art Unit	2662		
(use as many sheets as necessary)	Examiner Name	Not Known		
Sheet 1 of 1	Attorney Docket Number	P3826		

					U.S. PATE	NT DOCUMENTS	
Examinar Initials			ent Number Kind Code ¹ (i		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MM		US- 6	157955	A	12-05-2000	Narad et al.	Figs. 1-3, Col. 6, lines 42-67
		US-	•	"			Col. 7, lines 1-31
		US-					
		US-					
	匚	US-					
		US-					
	<u> </u>	US-			 		RECEIVE
		US-					
	 	US-					JAN 1 4 2003
	<u> </u>	US-					ONIV 1 4 20 13
	L	US-					Technol
	ļ	US-					Technology Center 2
	ļ	US-					
		US-			· · · · · · · · · · · · · · · · · · ·		
	L	US-					
		US-					
		US-			·		
		US-					
		US-					
		US-		- 1			

	FOREIGN PATENT DOCUMENTS						
Examiner hitlals		Foreign Patent Document Courty Cone 3 - Number 4 - Kind Code 9 snown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴	
			· · · · · · · · · · · · · · · · · · ·			_	
	_						
	<u> </u>					_	
						_	
						_	
						_	

Examiner Signature	The	The	Date Considered	12-12-2014	

[&]quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to piace a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Weshington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, OC 20231.

Process type a plus sign (+) inside this box > + Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO **Application Number** INFORMATION DISCLOSURE July 5, 2001 Filing Date STATEMENT BY APPLICANT Nandakumar Sampath First Named Inventor N/A Group Art Unit (use as many sheets as necessary) N/A **Examiner Name** Sheet of **Attorney Docket Number** P3826

3 PTO	
0039	
5/60	置
100	

				U.S. PATENT DOCU	MENTS	<u> </u>
Examiner Cite U.S. Patent Document Rind Code (# fonown)		Name of Patantae or Applicant of Cited Document Of Cited Document MM-DD-YYYY		Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear		
MA		09/737,3		Mario Nemirovsky et al.	NA NA	Priority Claim
Win		60/181,30	54	Mario Nemirovsky et al.	NA	Priority Claim
mm		491527		Nandakumar Sampath et al.	NA NA	Disclosure Doc Priority Claim
- :. -						
						•
				 		<u> </u>
					+	
					<u> </u>	
					4	
			 - 		+	
			- - 		 	
						<u> </u>
			1 1		1	

				FORE	GN PATENT DOCUMEN	rs		
Examiner Initials	Cite	F	oreign Patent Do			Date of Publication of	Pages, Columns, Lines, Where Relevant	
	No.1	Office ³	Number ⁴	Kind Code ^s (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T®
	<u> </u>							
•								[
								1
								1
 								1
								\bot
								/

_			* * * * * * * * * * * * * * * * * * * *
ſ	Examiner 11 60 1	Date	
l	Signature 7/4	Considered	12-12-2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Petent and Tradement Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the bro-letter code (WPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached.

	PTO/SB/GSA (GB-GS)
	Approved for use through 07/31/2006, Chara cash.com
Inder the Paperwork Reduction Act of 1995, no persons are required to re	U.S. Petent and Trademark Officer U.S. DEPARTMENT OF COMMERCS spond to a categorie of information unless it contains a valid OMB control number.
Substitute for form 1440@TO	Complete # Known

Substitute for form 1449/PTO **Application Number** 09/900,393 Filing Date INFORMATION DISCLOSURE 07/05/2001 First Named Inventor STATEMENT BY APPLICANT

(Line as many aheats as nece

Nandakumar Sampath Art Unit 2662 Examiner Name Hassan Kizou Attorney Docket Number P3826

Exeminer	Cito	Document Number	Publication Date	DOCUMENTS	
instate*	Na.1	Number-19nd Code ^{2 (Floore)}	MIM-DD-YYYY	Name of Patentee or Applicant of Catel Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appoar
nm		U8-6088745 A	07-11-2000	Bertagna et al.	- Ques Appoir
MM		^{U8-} 5987578 A *	11-18-1999	Butcher, Lawrence	\
mm		US- 6169745 81 *	01-02-2001	Liu et al.	
mm		US-6228680 B1 *	05-01-2001	Boucher et al.	 \
chm		US- 5918050 A *	06-29-1999	Rosenthal et al.	 \
mm		US- 6223274 B1 *	04-24-2001	Cutthoor et al.	\ .
mm		^{US} 6023738 A •	02-08-2000	Priem et al.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
mm		us-5659797 A *	08-19-1997	Zandveld at al	· \
MM		U8-6070202 A .*	05-30-2000	Minkoff et al.	
MM		US- 6247105 B1 *	06-12-2001	Goldstein et al.	\
mm		US-5978893 A •	11-02-1999	Bakshi et al.	
mm		578469B A	07-21-1998	McMahon et al.	
mm		US-5634015 A .	05-27-1997	Chang et al.	. \
MM		US- 5023778 A *		Gregor, Steven .	· \
man		US-4942518 A		Weatherford et al.	
MM		US-4707784 A		Ryan et al.	
MM	-	U9-8009516 A *		Stelss et al.	. \
70.00		US-5812810 A *	09-22-1998	Sager, David	
]		•

Exeminer Initials*	No.1	Foreign Patant Document	Publication Publication Deca	Nume of Patentes or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Pigures Appear
		Country Code Thumber TGnd Code (1" moves			
>-					
\longrightarrow	/				
					-
			 		

Examine

Signature

**EXAMINER: Initial if inference considered, whether or not disting is in conformance with MPEP 608. Unrer line through citation if not in conformance and not considered, thicked copy or this ferm with next communication to explicent. *Applicant's unique charine designation number (options). *See Kinds Codes of USPTO Petent Documents at sense useful control of the year of the reign of the Emperor must precede the serial number of the patent document, by the document by the appropriate symbols as indicated on the document with O Standard ST.18 *Proceeds in attached.*

Translation in attached.*

This codescipp of information is resolved by \$1.000 and \$1.00

Transistion is attached.
This collection of information is required by 37 CFR 1.97 and 1.69. The information is required to obtain or retain a benefit by the public which is to itse (and by the USPTO to process) an application. Confidentiality is governed by 28 U.S.C. 122 and 27 CFR 1.14. This collection is authorise to take 2 hours to complete including gardening, propering, and submitting the compated application form to the USPTO. Three vill vary deponding upon the including calculations are the formation form to the USPTO. Three vill vary deponding upon the including calculations or the including calculations are including this turden, should be sent to the Critic Information Circle, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED PORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1460.

^{*} References not provided under §1.98

PTO/SB/084 (08-03)
Approved for use through 07/31/2009. CMB 0351-0031
Under the Paperwork Reduction Act of 1995, no paysons are required to respend to a collection of information unites a control of Complete II Known

Application Number Filing Date 07/05/2001 INFORMATION DISCLOSURE First Named Inventor Nandakumar Sampath STATEMENT BY APPLICANT Art Unit 2662 Examiner Name Hassan Kizou. Attorney Docket Number P3826

		· · · · · · · · · · · · · · · · · · ·	U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (Comme	Publication Date MM-CD-YYYY	Name of Patenties or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pagesgos or Relevant Figures Appear
MM		UB- 5471598 A *	11-28-1995	Quattromani et el.	\
mm		US- 6283452 B1 *	07-17-2001	Jewett et al.	1
min		US- 5878570 A .	11-02-1999	Hillis, W. Daniel	N.
mm		US-6073251 A *	- 08-08-2000	Jewett et al.	1
mm		US- 6381242 B1 *	04-30-2002	Maher, III et al.	
w w		US- 5796966 A *	08-18-1998	Simcoe et al.	
mm		US- 6291481 A *	03-01-1994	Doshi et al.	
mm		₩ 5121383 A *	06-09-1992 .	Golestani, S. Jamaioddin .	
		· US-			1
		US-			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		US-			\
		US-			
		U8-	1		
		US-	1		
		US-			1
		UB-	7		\
		US-	1		
		Us	1.		
		US-	T		

Examiner triking*	Cite No.	Foreign Patent Document	PUBLICATION Date	Name of Patentag of Applicant of Cited Document	Peges, Columns, Lines,	Г
		Country Code® Number® TOtal Code® (#Arment)	MM-DD-YYYY	Adheren o casa parmana	Where Retevent Passages Of Relevent Figures Appear	
<u> </u>						
			-			L
			+			┞
			1			t
Examiner Rignature	1/2	nght.		Date Considered	12-12-2004	

EXAMINER: Initial if reterants considered, whether or not citation is in conformence with MPEP 608. Draw line through citation if not in conformence and not considered, include copy of this form with next consumerts on applicant. Applicant's unique citation destpursion reamber (optional). "Sale Kinds Godes of USPTO Paters Documents at sense supplies of MPEP 901.04. "Enter Office that issued its document, by the holication of the page of the reten of the Emperor must precede the sense number of the paters document. Pland of document by the appropriate symbols as Indicated on the document under WIPO Standard ST,16 if possible. "Applicant is to place a check mark here if English tanguage Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public writch is to file (and by the USPTO to process) an application. Confidentially is governed by 38 U.S.C. 122 and 37 CFR 1.44. This collection is estimated to take 2 hours to complete, including gothering, preparing, and established septication form to the USPTO. There will very depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Onlet Information Officer, U.S. Patern and Trademark Office. P.O. Bost 1450, Assumptine, VA 22313-1480. DO NOT 8END FEES OR COMPLETED PORMS TO THIS ADDRESS. SEND.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and spiced option 2.

^{*} References not provided under §1.98